

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 03/088950 A1

- (51) International Patent Classification⁷: **A61K 9/127, 9/14** (74) Agents: **PABST, Patrea, L.** et al.; Holland & Knight L.L.P., One Atlantic Center, 1201 West Peachtree Street, N.E., Suite 2000, Atlanta, GA 30309-3400 (US).
- (21) International Application Number: **PCT/US03/12261**
- (22) International Filing Date: **17 April 2003 (17.04.2003)** (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
60/373,915 **18 April 2002 (18.04.2002)** **US**
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- Published:**
- *with international search report*
 - *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **SYSTEM FOR ENHANCED TARGETED DELIVERY**

(57) **Abstract:** A method and compositions for targeted drug delivery have been developed. The compositions include a targeting molecule, such as a hormone that specifically binds to a receptor on the surface of the targeted cells; a drug to be delivered, such as a toxin that will kill the targeted cells; and a nanoparticle, which contains on or within the nanoparticle, the drug to be delivered, as well as has attached thereto, the targeting molecule. Nanoparticles can consist of drug or drug associated with carrier, such as a controlled or sustained release materials like a poly(lactide-co-glycolide), a liposome or surfactant. The compositions are administered by injections in most cases, although compositions can be applied topically orally, nasally, vaginally, rectally, and ocularly. Compositions can also be administered to the pulmonary or respiratory system, most preferably in an aerosol.

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